TABLE 1.4-1 Outline of Experimental Designs Described in this Book

	.,	Experimental Design	Abbreviated Designation
1.	Systematic Designs		
II.	Randomized Designs		ļ
	A.	Complete Block Designs	CR-k*
		1 Completely randomized design	RB-k
		2. Randomized block design	LS-k
		3. Latin square design	GLS-k
		4 Graeco-Latin square design	HGLS-k
		5. Hyper-Graeco-Latin square design	IIOL5-K
	B.	Incomplete Block Designs	BIB-t
		1 Palanced incomplete block design	YBIB-t
		2. Youden square balanced incomplete block design	PBIB-t
		3. Partially balanced incomplete block design	1 2.5
	C.	Factorial Experiments	CRF-pq
		1 Completely randomized factorial design	RBF-pq
		2 Pandomized block factorial design	CRH-p(q)
		3. Completely randomized hierarchal design	CRH-p(q)r
		4. Completely randomized partial hierarchal design	SPF-p.q
		5. Split-plot design	1
		6. Randomized block completely confounded factorial	RBCF-pk
		design design	1 ' 1
		7. Randomized block partially confounded factorial design	LSCF-pk
		8. Latin square completely confounded factorial design	CRFF-pk
		9. Completely randomized fractional factorial design	RBFF-pk
		10. Randomized block fractional factorial design	LSFF-pk
		11. Latin square fractional factorial design	GLSFF-pk
		12. Graeco-Latin square fractional factorial design	
	D.	Analysis of Covariance Experiments	CRAC-k
		Completely randomized analysis of covariance design Completely randomized analysis of covariance design	RBAC-k
		Randomized block analysis of covariance design	LSAC-k
	-	Latin square analysis of covariance design Latin square analysis of covariance design	
		4. Completely randomized factorial analysis of	CRFAC-pq
		covariance design 5. Split-plot factorial analysis of covariance design	SPFAC-p.q

^{*}The letter(s) following the dash designates the number and levels of each treatment. Refer to chapters in which the designs are discussed for an explanation of the abbreviated designations.

categories, factorial experiments and analysis of covariance experiments. The former pseudocategory is so designated because a factorial experiment consists of a combination of elementary building block designs. The term factorial experiment refers to the simultaneous evaluation of two or more treatments in one experiment rather than to a distinct kind of experimental design. Analysis of covariance experiments combine building block designs with regression analysis procedures and thus do not represent a distinct type of design. A brief description of some of the simpler designs follows.

COMPLETELY RANDOMIZED DESIGN

The simplest complete block experimental design from the standpoint of assignment of subjects to treatment levels and statistical analysis